

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An air-conditioning system, in particular a motor vehicle air-conditioning system, which can be operated as a heat pump, with a compressor (2), with a heater (3), with a throttle member (4) and with an evaporator (6), ~~characterized in that~~ wherein the compressor (2) has a variable stroke and the throttle member (4) is designed as a controllable expansion valve (5) which contributes to regulating the heating capacity in heat-pump operation.
2. (Currently amended) The air-conditioning system as claimed in claim 1, ~~characterized in that~~ wherein the expansion valve (5) follows the heater (3) and precedes the evaporator (2).
3. (Currently amended) The air-conditioning system as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein a high-pressure regulator, in conjunction with a compressor valve, is provided for regulating the compressor (2).
4. (Currently amended) The air-conditioning system as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein a high-pressure regulator is provided for regulating the expansion valve (5).
5. (Currently amended) The air-conditioning system as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the expansion valve (5) is a pulse-width modulated expansion valve.
6. (Currently amended) A method for regulating an air-conditioning system, in particular a motor vehicle air-conditioning system, which can be operated as a heat pump, with a compressor (2), with a heater (3), with a throttle member (4) and with an evaporator

(6), ~~characterized in that~~ wherein regulation is carried out with the aid of a regulator for the stroke of the compressor (2), and the stroke of the compressor (2) is carried out by means of a high-pressure regulator, in conjunction with the regulation of a compressor valve (5) forming the throttle member (4).

7. (Currently amended) The method as claimed in claim 6, ~~characterized in that~~ wherein regulation is carried out as a function of a regulation of a pulse-width modulated expansion valve (5) forming the throttle member (4), a high-pressure regulator being provided for this purpose.

8. (Currently amended) The method as claimed in ~~either one of claims 6 and 7,~~ ~~characterized in that~~ claim 6, wherein the regulation of the air-conditioning system in heat-pump operation takes place as a function of the desired temperature of the air downstream of the heater, taking into account a pilot control characteristic curve of a desired high-pressure value.

9. (Currently amended) The method as claimed in ~~one of claims 6 to 8,~~ ~~characterized in that~~ claim 6, wherein the regulation of the heater temperature of the air-conditioning system in heat-pump operation takes place as a function of the desired temperature of the air downstream of the heater (3), taking into account the determined temperature of the air downstream of the heater (3), a correcting characteristic curve being taken into account.

10. (Currently amended) The method as claimed in ~~one of claims 6 to 9,~~ ~~characterized in that~~ claim 6, wherein the regulation of the air-conditioning system in heat-pump operation takes place, taking into account the pressure of the refrigerant present in the heat-pump circuit, downstream of the compressor (2).